



Service Repair Manual

Models

416E Backhoe Loader

Product: BACKHOE LOADER

Model: 416E BACKHOE LOADER BWC

Configuration: 416E Single Tilt Backhoe Loader BWC00001-UP (MACHINE) POWERED BY C4.4 Engine

Disassembly and Assembly C4.4 (Mech) Engines for Caterpillar Built Machines

Media Number -KENR9210-10

Publication Date -01/12/2014

Date Updated -08/08/2018

i02763425

Flywheel - Remove

SMCS - 1156-011

Removal Procedure

Table 1

| Required Tools | | | |
|----------------|-------------|--|-----|
| Tool | Part Number | Part Description | Qty |
| A | - | Guide Bolt (1/2 inch - UNF by 4 inch) | 2 |

Start By:

- a. Remove the electric starting motor. Refer to Disassembly and Assembly, "Electric Starting Motor - Remove and Install".

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

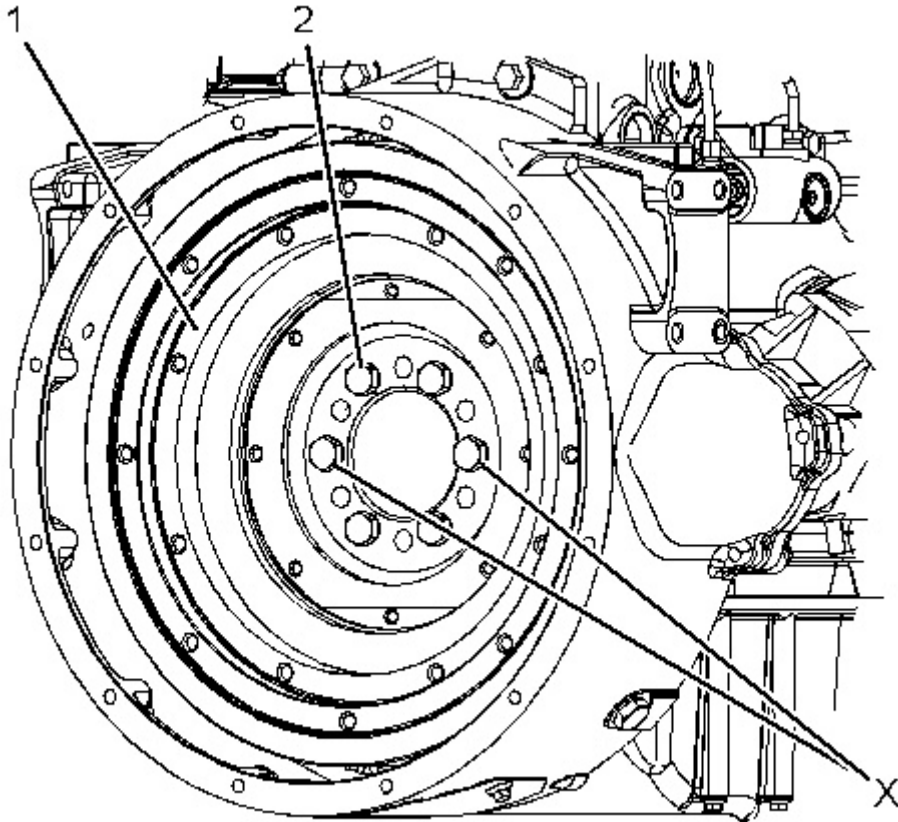


Illustration 1
Typical example

g01245126

1. Remove two bolts from positions (X) on flywheel (1).
 2. Install Tooling (A) to positions (X) on flywheel (1).
 3. Attach a suitable lifting device to flywheel (1). Support the weight of the flywheel. The weight of the flywheel is approximately 71 kg (155 lb).
 4. Remove remaining bolts (2).
 5. Use the lifting device in order to remove the flywheel from the engine.
-

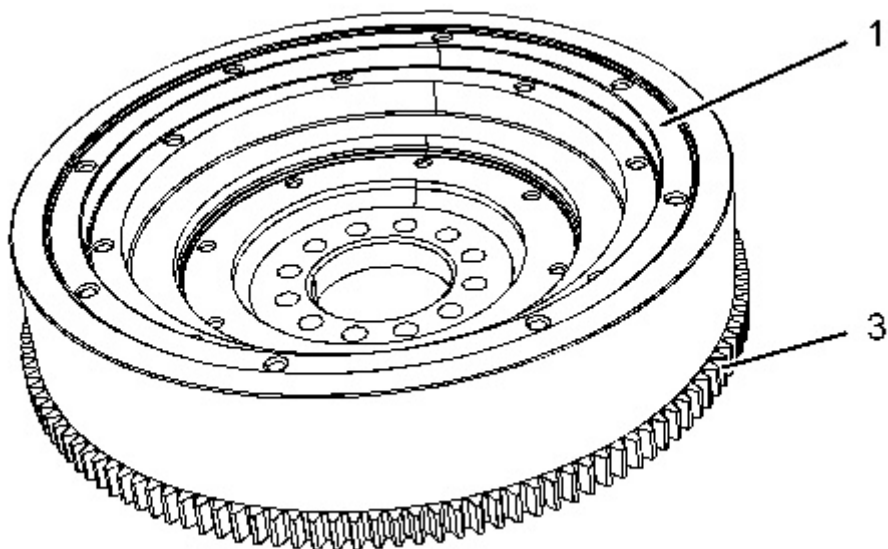


Illustration 2

g01245152

Typical example

6. Inspect flywheel (1) and ring gear (3) for wear or damage. Replace any components that are worn or damaged.
7. To remove the flywheel ring gear, follow Steps 7.a and 7.b.
 - a. Place the flywheel assembly on a suitable support.

Note: Identify the orientation of the teeth on the flywheel ring gear.
 - b. Use a hammer and a punch in order to remove ring gear (3) from flywheel (1).

Product: BACKHOE LOADER

Model: 416E BACKHOE LOADER BWC

Configuration: 416E Single Tilt Backhoe Loader BWC00001-UP (MACHINE) POWERED BY C4.4 Engine

Disassembly and Assembly C4.4 (Mech) Engines for Caterpillar Built Machines

Media Number -KENR9210-10

Publication Date -01/12/2014

Date Updated -08/08/2018

i07030539

Flywheel - Install

SMCS - 1156-012

Installation Procedure

Table 1

| Required Tools | | | |
|----------------|-------------|---|-----|
| Tool | Part Number | Part Description | Qty |
| A | - | Guide Bolt (1/2 inch - 20 UNF by 4 inch) | 2 |

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

Thank you so much for reading.
Please click the “Buy Now!”
button below to download the
complete manual.



After you pay.

You can download the most
perfect and complete manual in
the world immediately.

Our support email:

ebooklibonline@outlook.com